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TI - MAGNETIC MARKER FOR OBJECT IDENTIFICATION

AB - PURPOSE: To obtain a magnetic marker with which the number of identifiable objects can be increased by further changing the length of each of plural number of amorphous magnetic thin wires whose coercive force is changed by means of preliminary heat treatment.

- CONSTITUTION: Magnetic marker 11 consists of an amorphous magnetic thin wire 10a with a length of 1a, an amorphous magnetic thin wire 10b with the length of 1b, an amorphous magnetic thin wire 10c with the length of 1c and an amorphous magnetic thin wire 10d with the length of 1d are attached to an object 2 at a prescribed interval and in parallel with the longitudinal direction. At this time, the coercive force of the respective amorphous magnetic thin wires 10a to 10d is improved by applying heat treatment under tension to their material and the length of the respective amorphous magnetic thin wires 10a to 10d is set so that the following formula can be satisfied:  $1a > 1b > 1c > 1d$ . Thus, since the amorphous magnetic thin wires are given the reference magnetic characteristics by means of heat treatment and the coercive force of them is changed by changing the length of them, plural magnetic thin wires of different kinds can be easily obtained and the number of identifiable objects can be easily and drastically increased.

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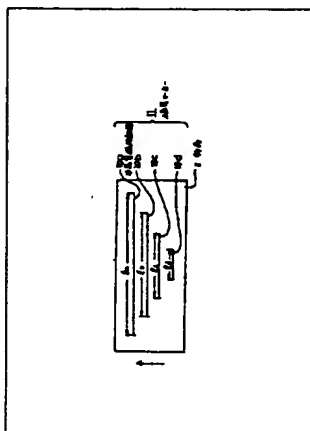
AP - JP19900284048 19901022

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PA - FUJI ELECTRIC CO LTD; others: 01

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